

FIG.1A

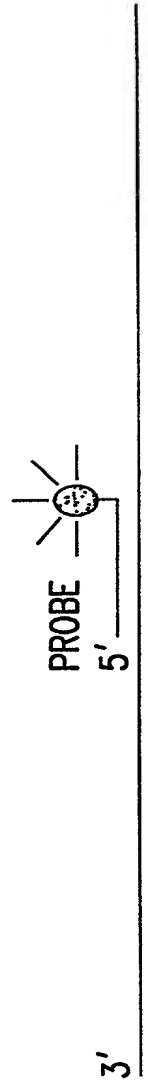


FIG.1B

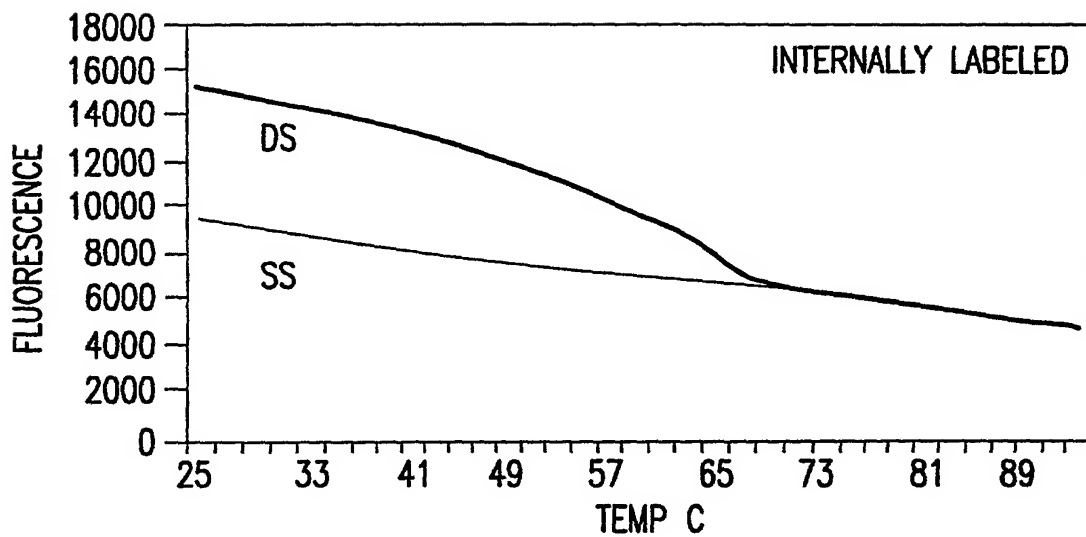


FIG.2A

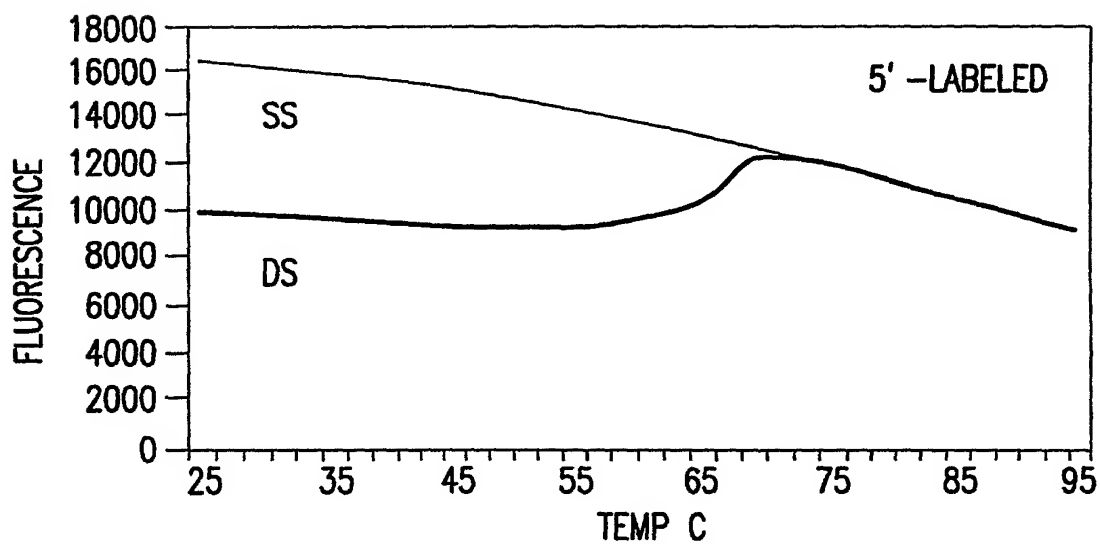


FIG.2B

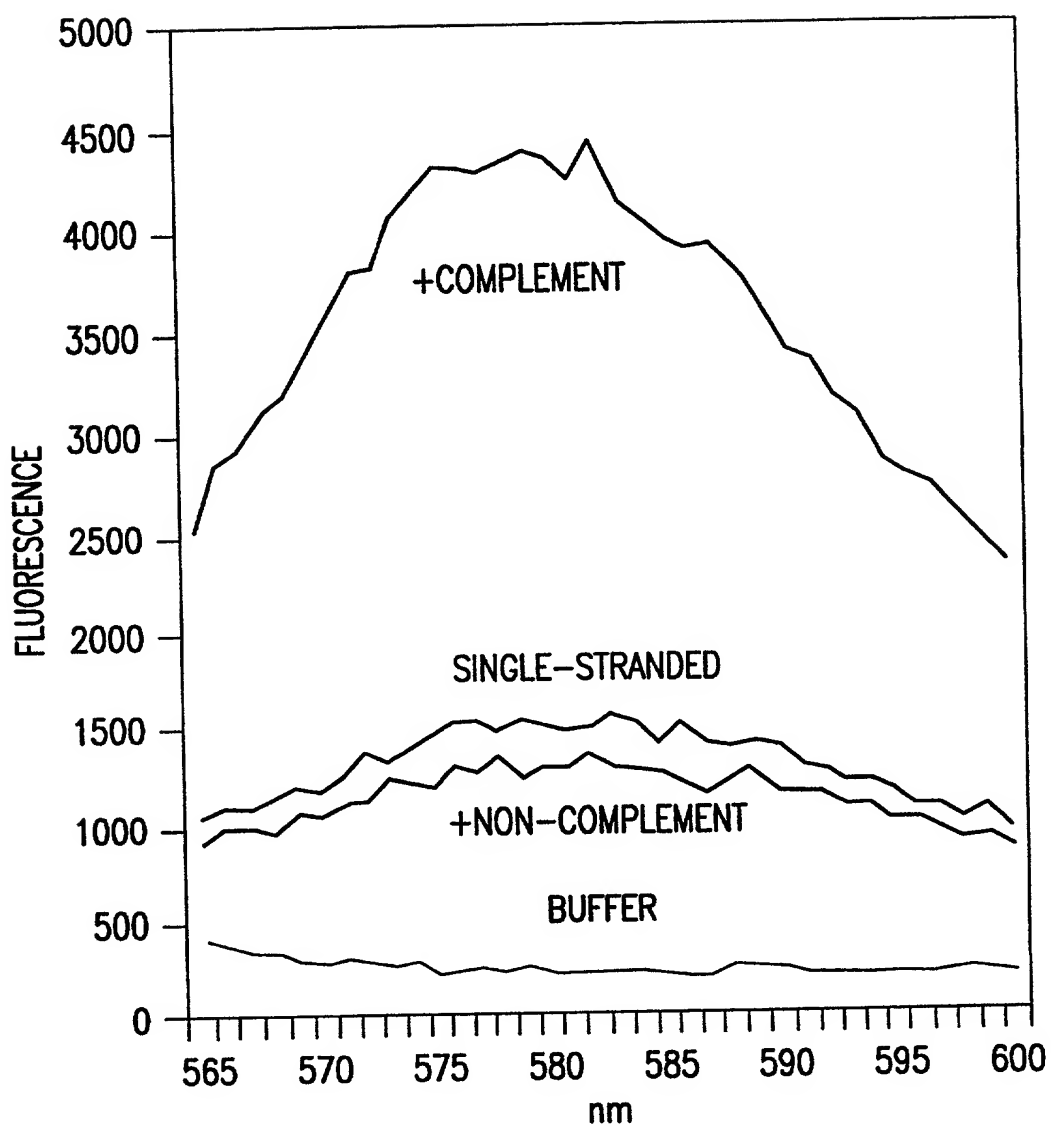


FIG.3

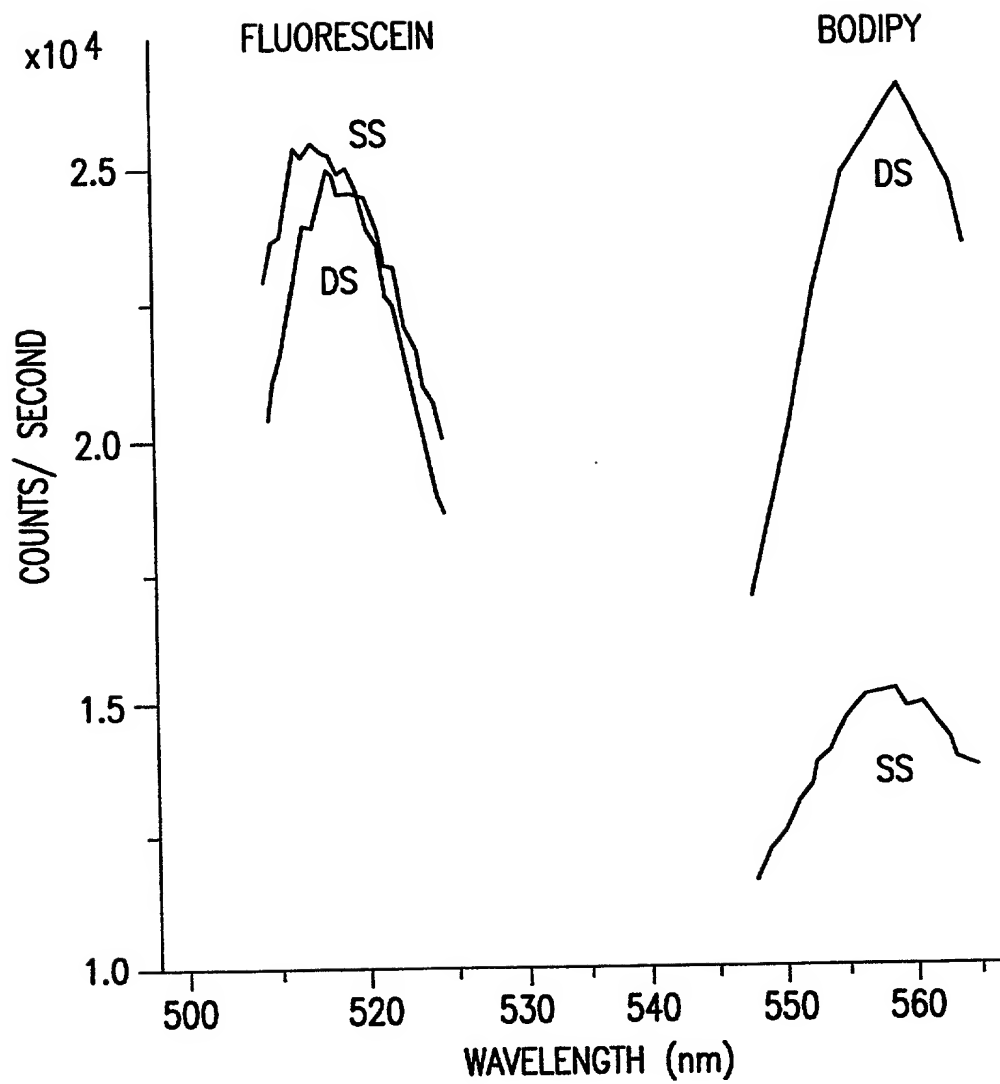
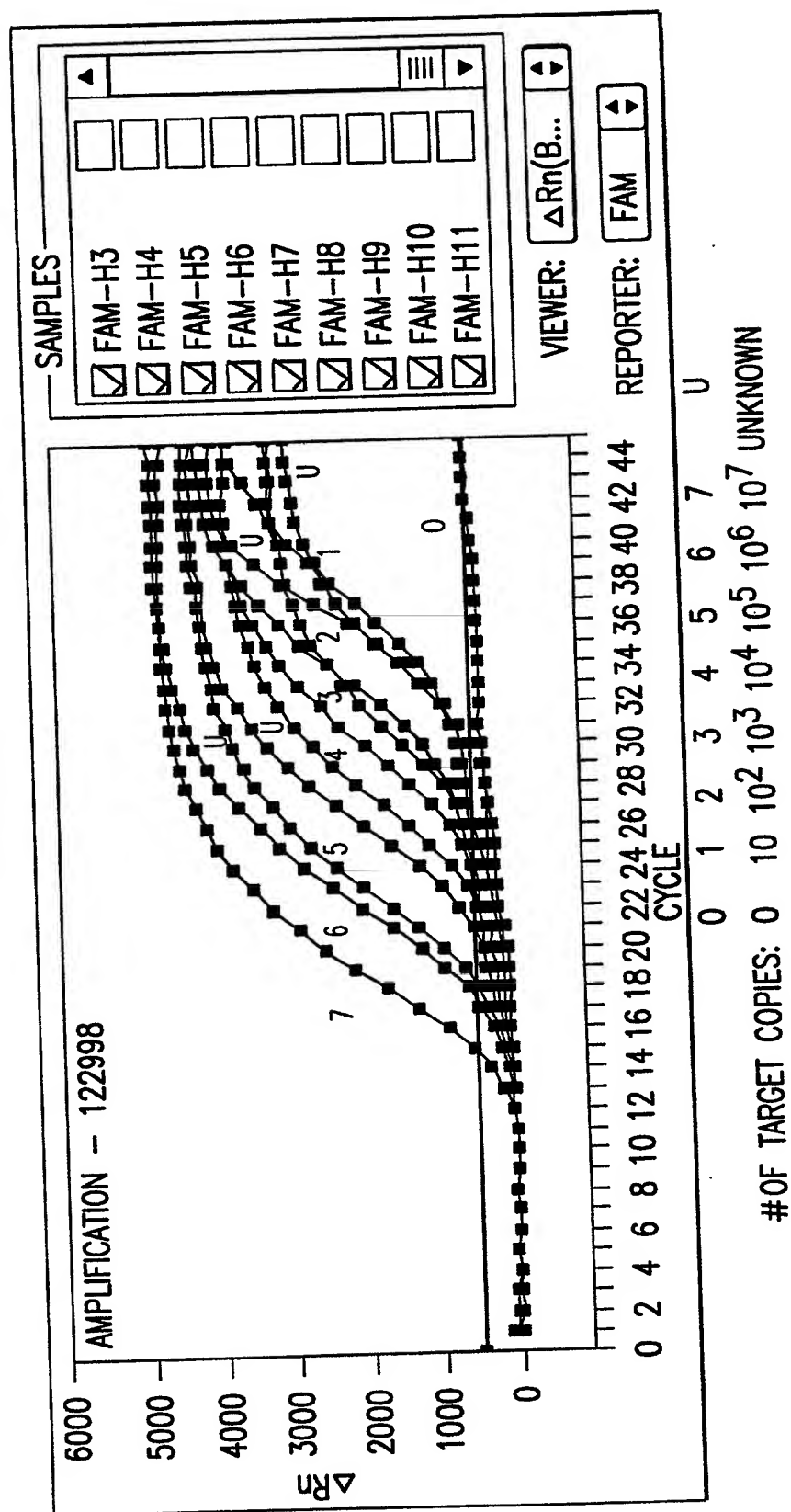


FIG.4



**FIG. 5A**





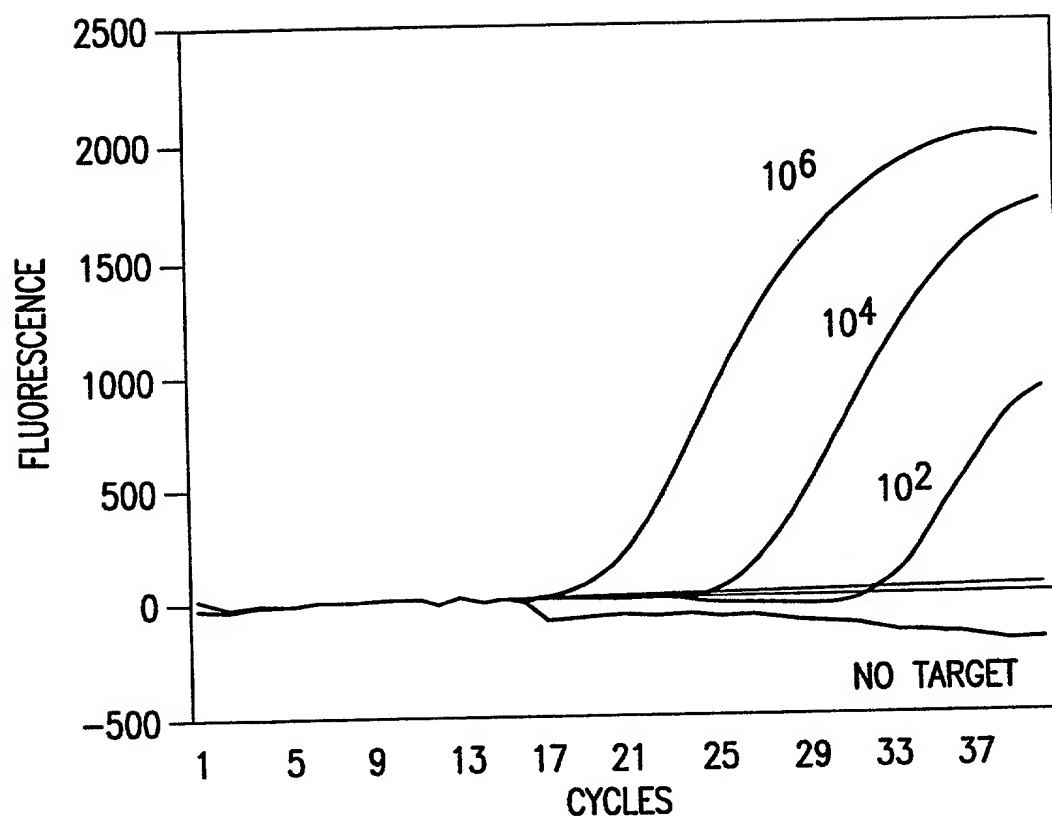


FIG.6



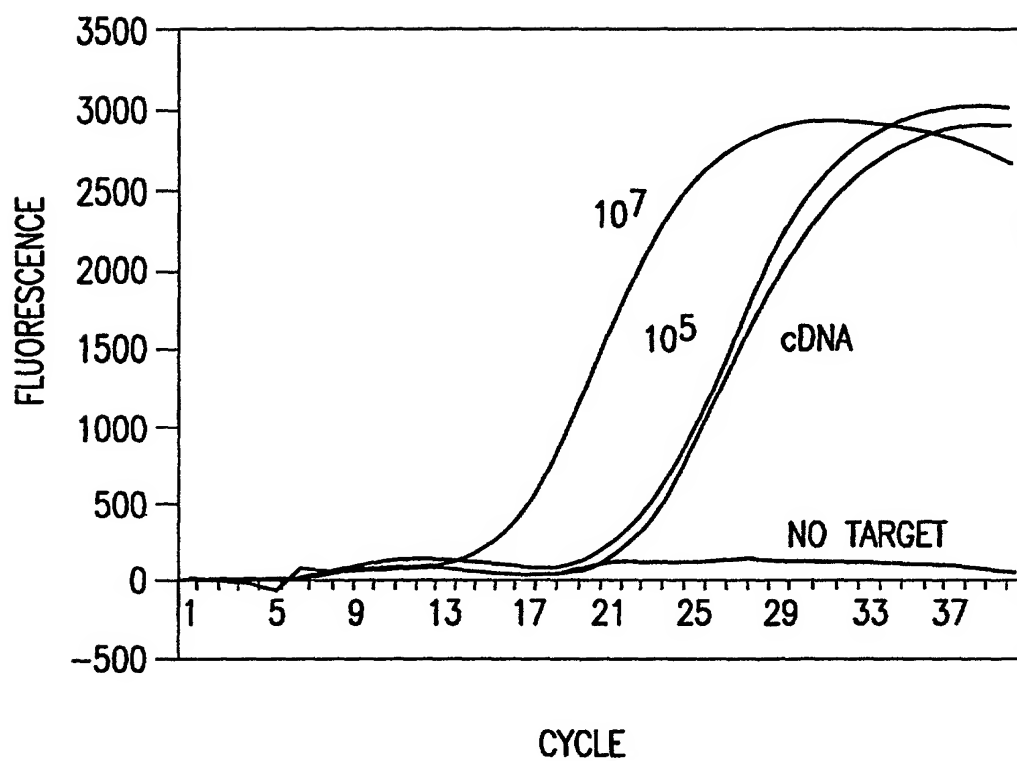


FIG.7

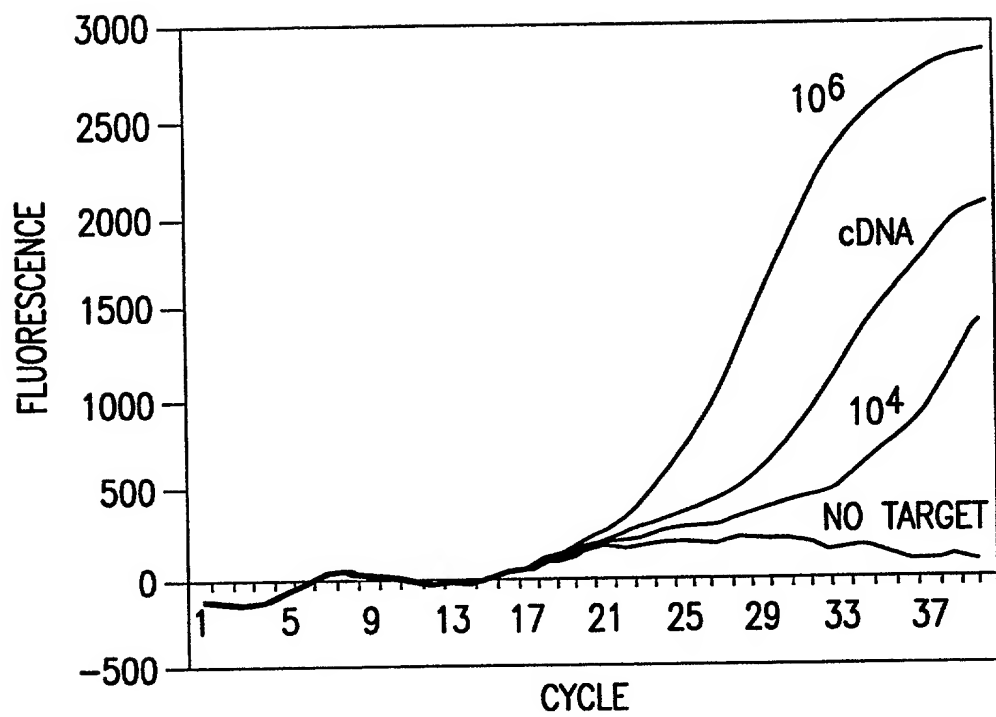
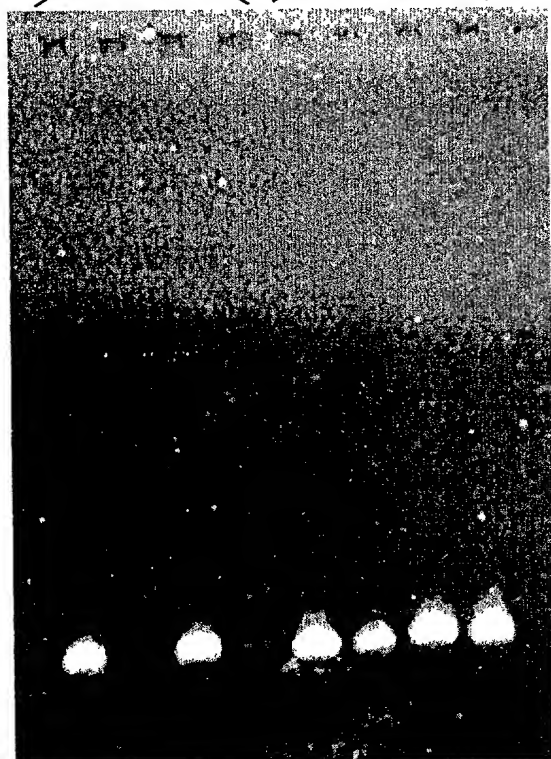


FIG.8





**1 2 3 4 5 6 7 8**

FIG. 10

**THE** **NEW** **YORK** **PUBLIC** **LIBRARY**

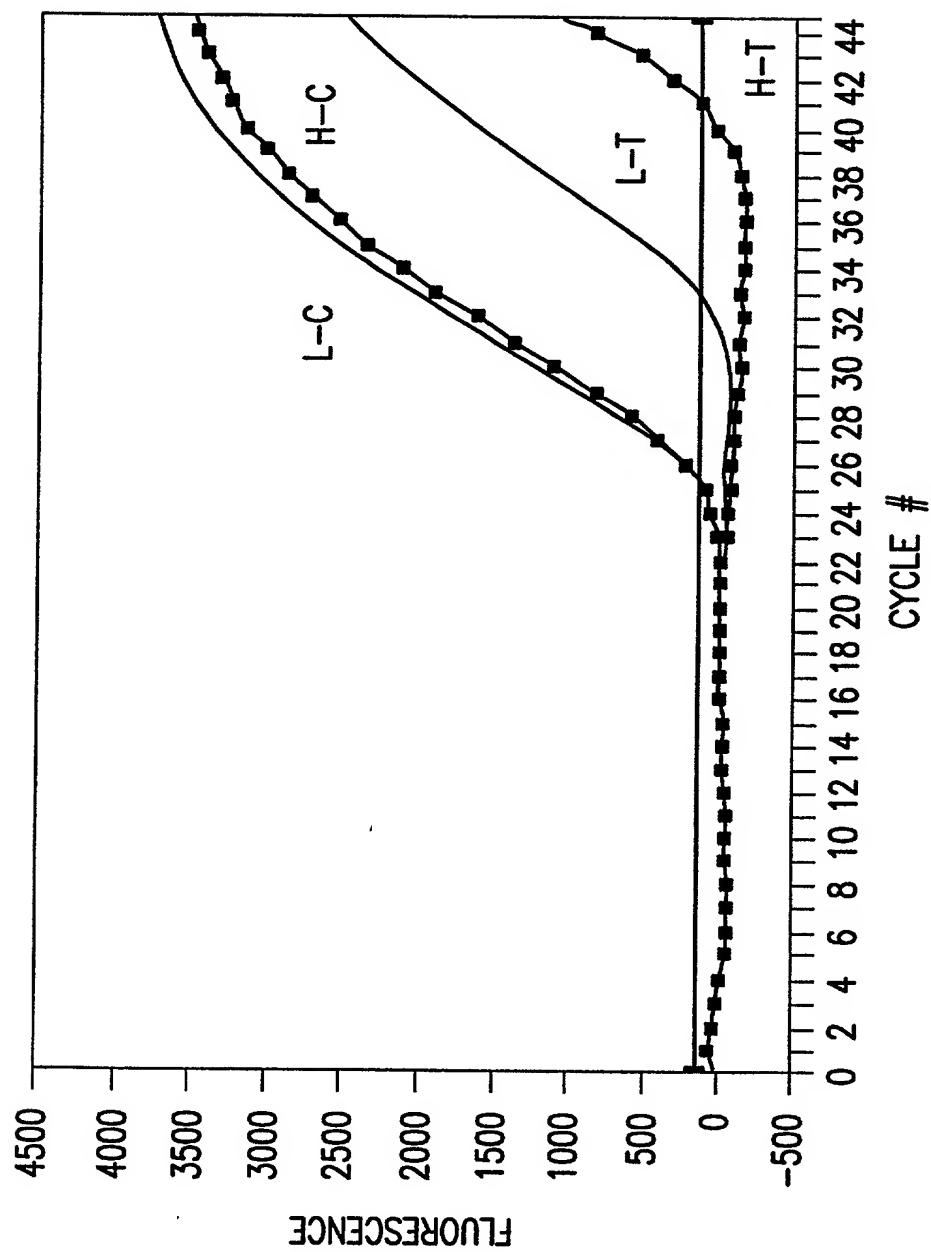


FIG.11

*off*    *high*    *low*    *one*    *two*    *three*    *four*    *five*    *six*    *seven*    *eight*    *nine*    *ten*    *eleven*    *twelve*    *thirteen*    *fourteen*    *fifteen*    *sixteen*    *seventeen*    *eighteen*    *nineteen*    *twenty*

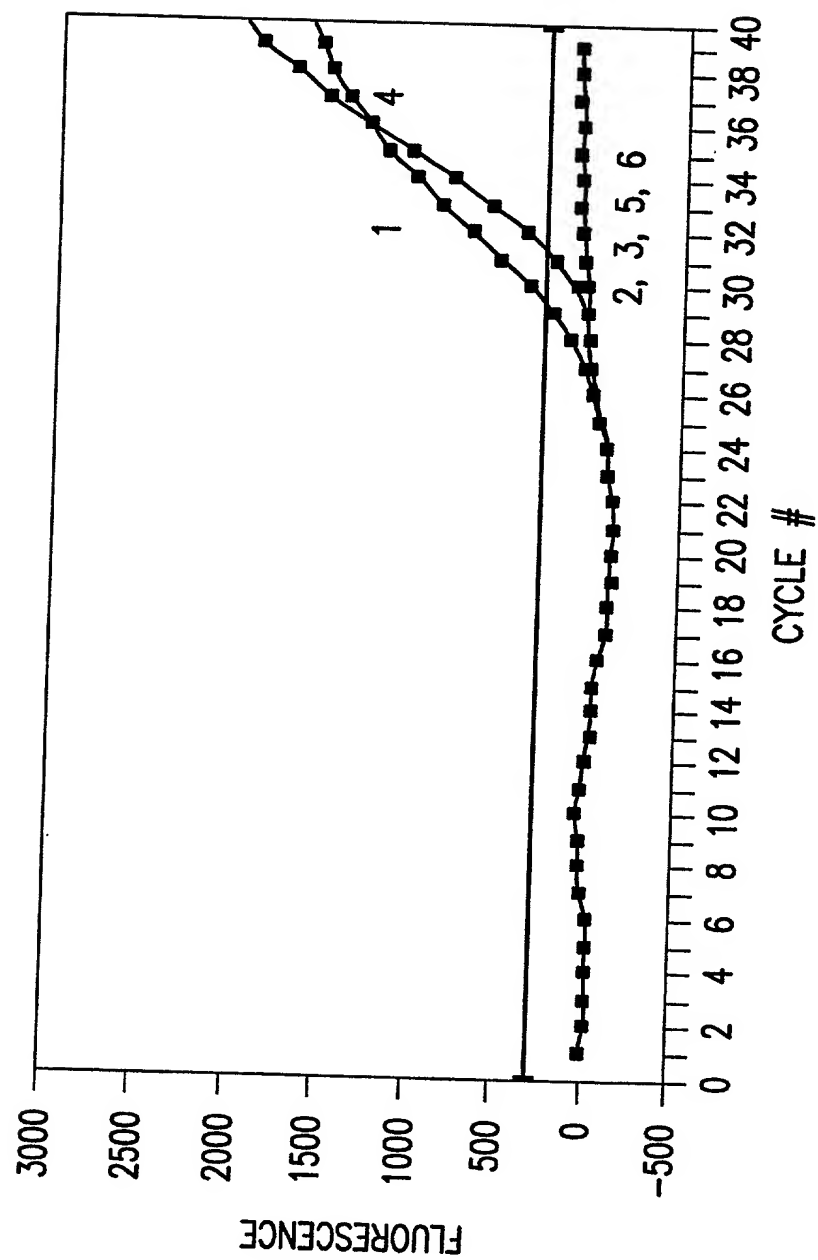


FIG. 12

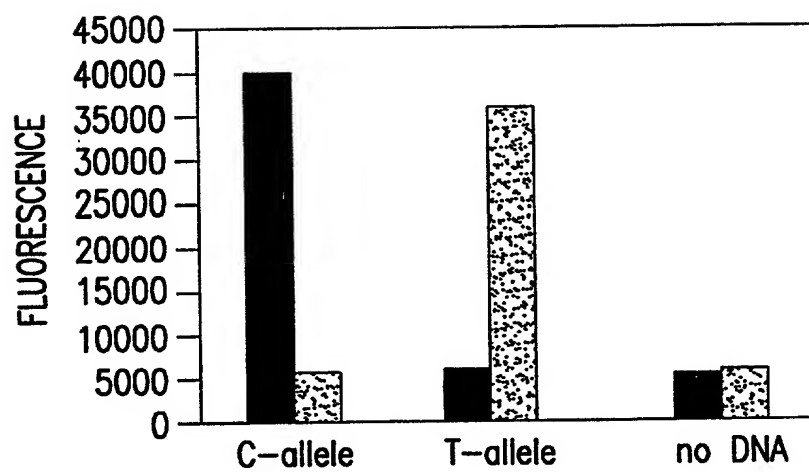
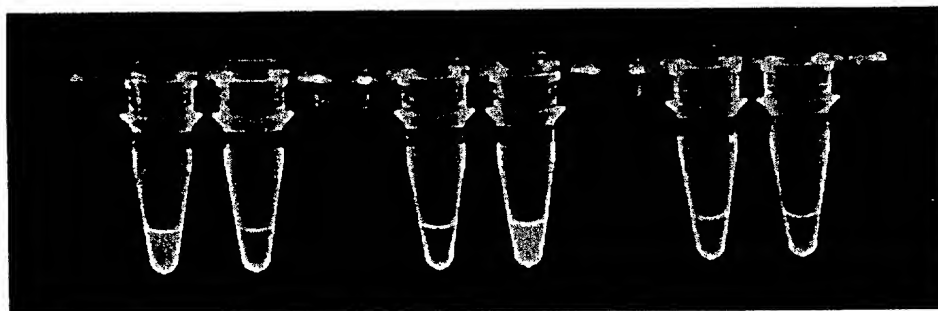


FIG.13A



1 2

3 4

5 6

■ C-primer

▨ T-primer

FIG.13B



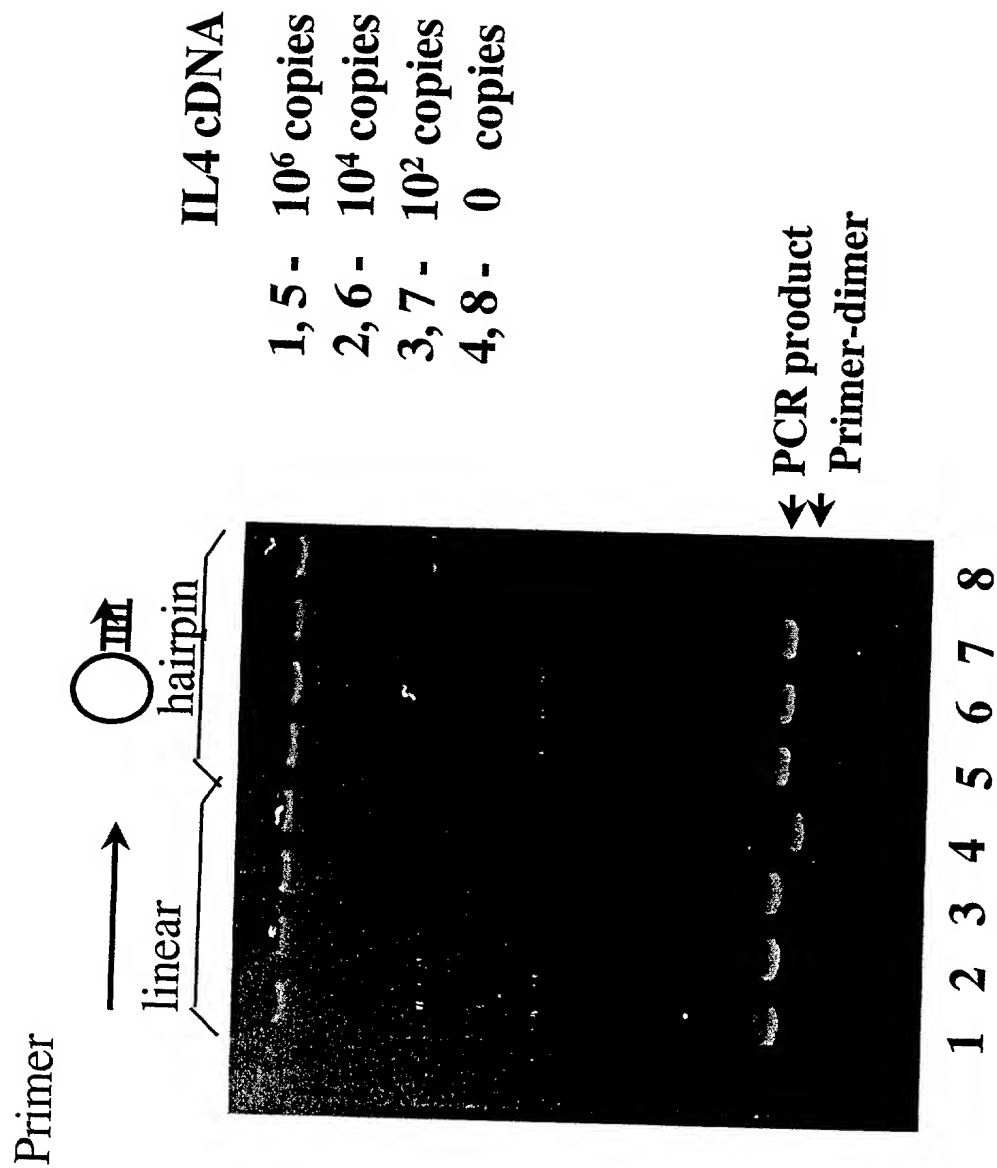
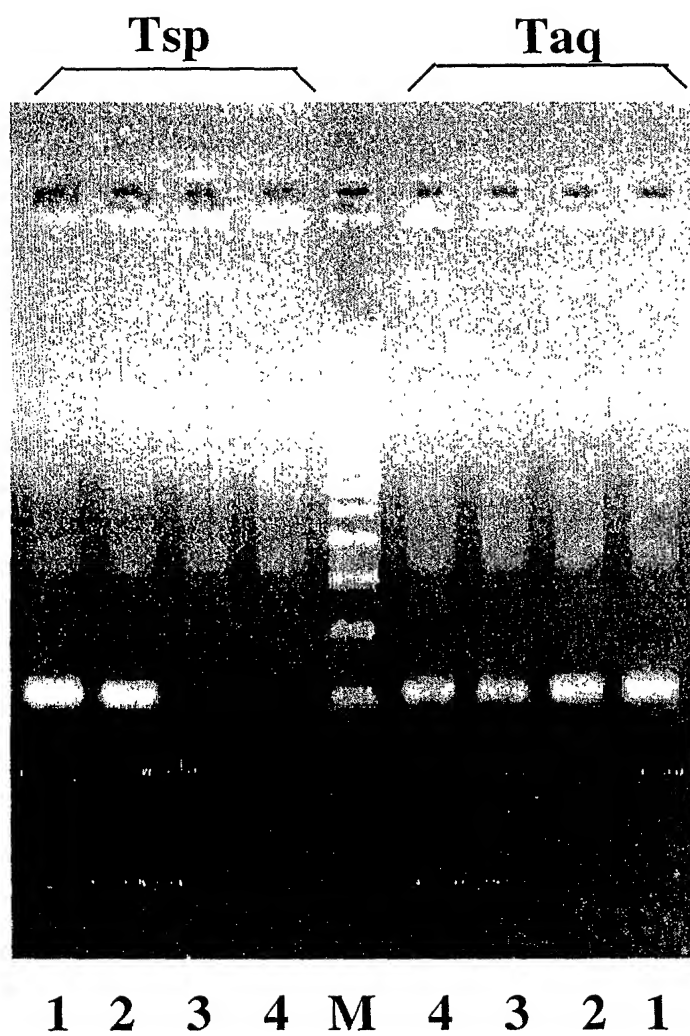


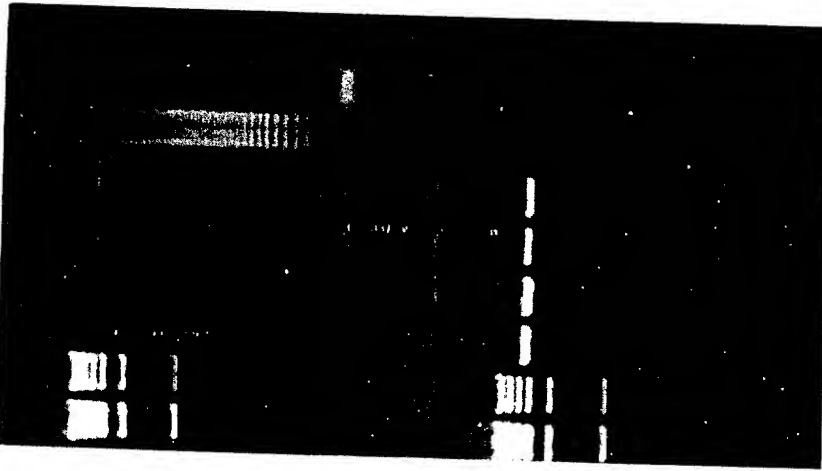
FIG.14



1 - 297 WT  
 2 - 300 WT  
 3 - 297 C→T Mut  
 4 - 300 G→T Mut  
 M - 100 bp marker

FIG.15

MM 1 2 3 4 5 6



Linear  
Primers

MM 1 2 3 4 5 6



Hairpin  
Primers

M-1 kb marker  
1, 2 - 50 ng DNA  
3, 4 - 20 ng DNA  
5, 6 - no DNA

FIG.16A

FIG.16B

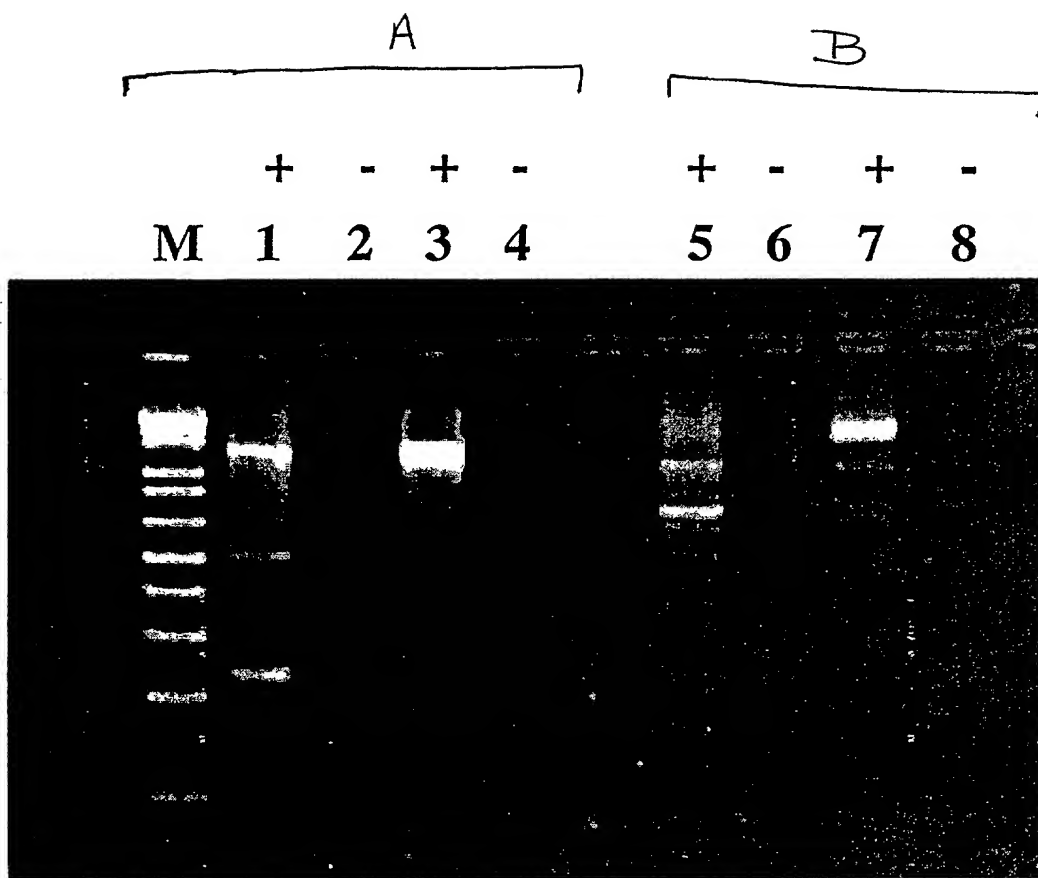


FIG.17(A and B)

FIG. 18A

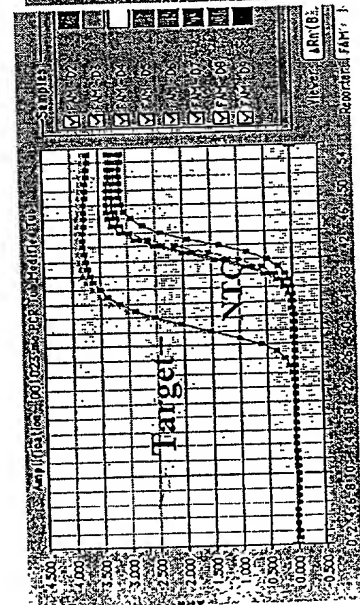


FIG. 18B

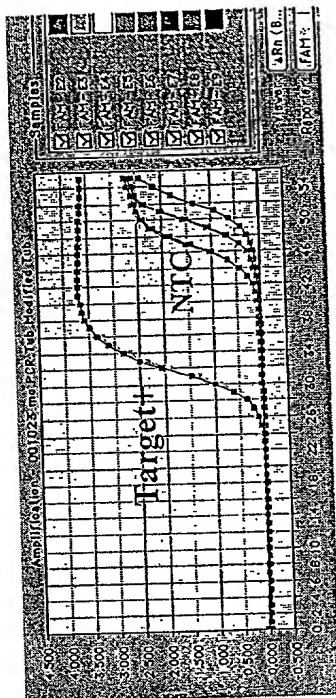


FIG. 18C

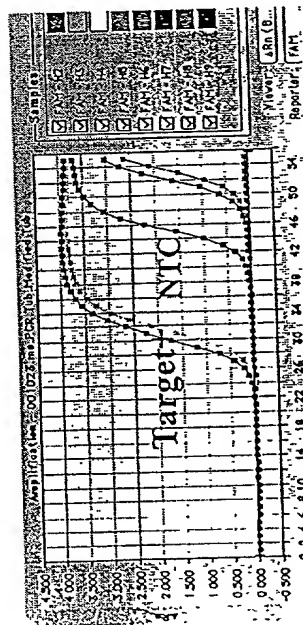


FIG. 18D

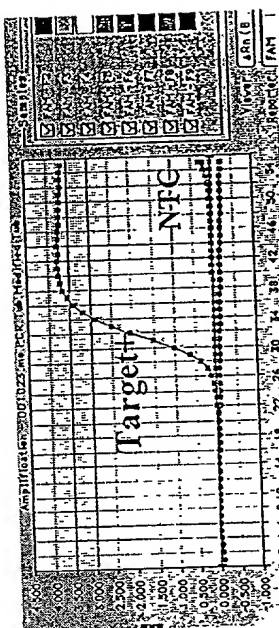


FIG. 19A

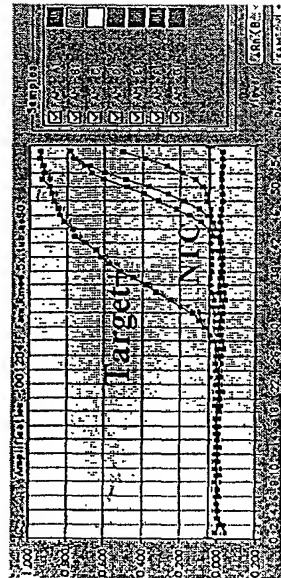


FIG. 19B

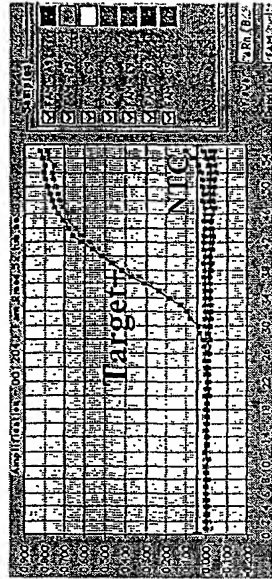


FIG. 19C

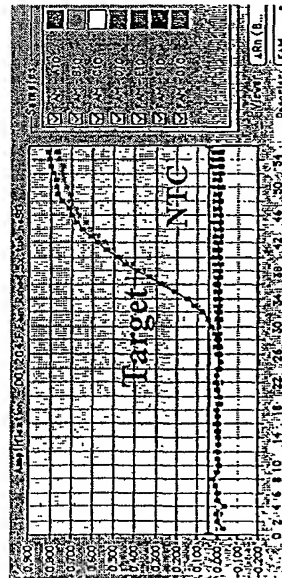


FIG. 19D

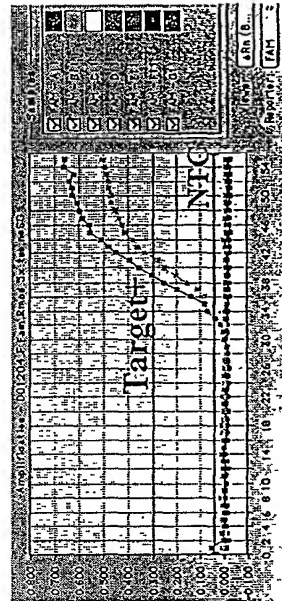


FIG. 20A is a schematic diagram of a system for monitoring and controlling a process. The system includes a computer 201, a sensor 202, and a control unit 203. The sensor 202 is connected to the computer 201, which is connected to the control unit 203. The control unit 203 is connected to the sensor 202. The system is used for monitoring and controlling a process.

FIG. 20A

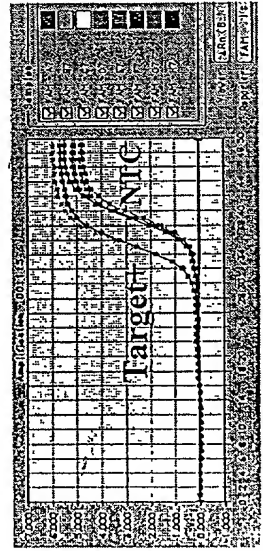


FIG. 20C

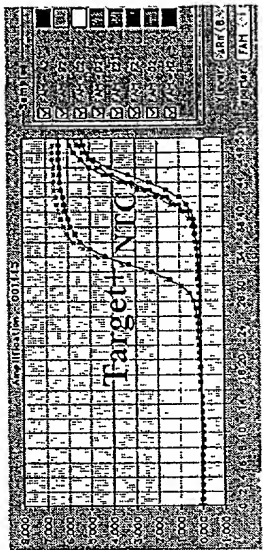


FIG. 20B

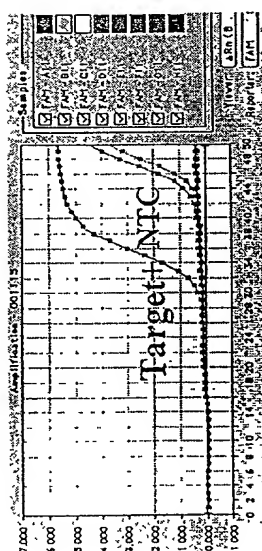
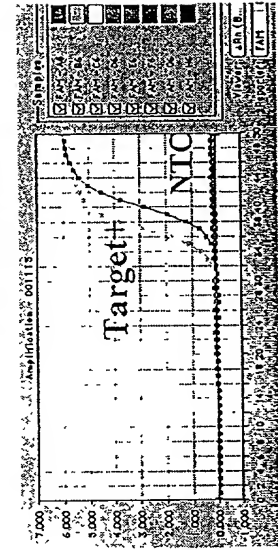


FIG. 20D



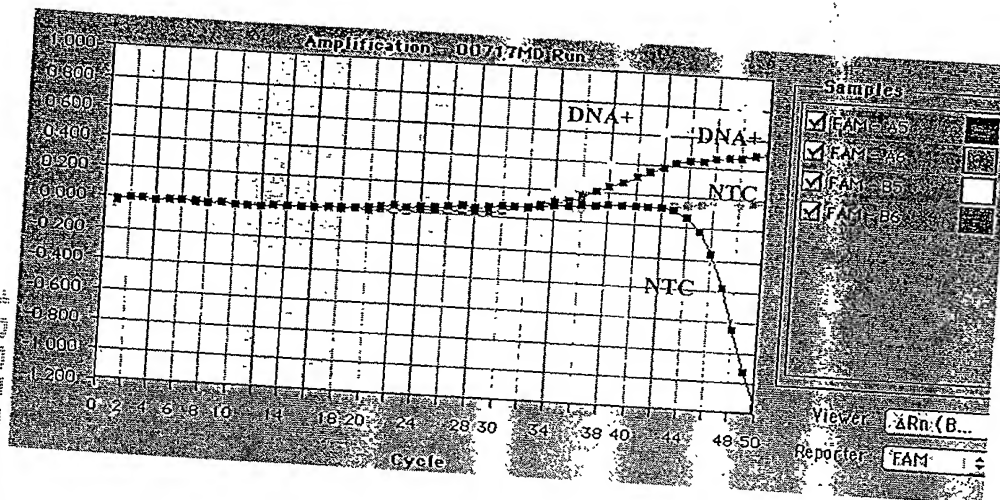
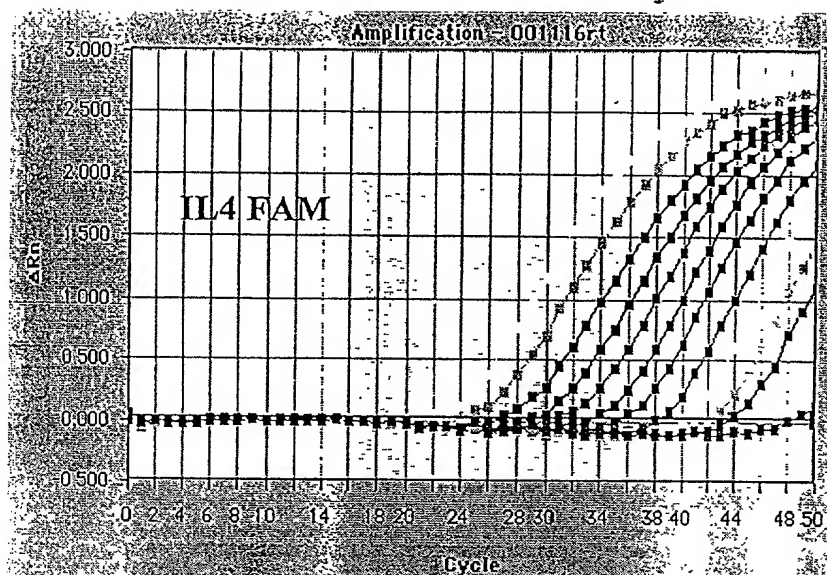


Figure 21



FIG. 22A



IL4copy

#

$3.0 \times 10^5$

$9.2 \times 10^4$

$2.8 \times 10^4$

$8.4 \times 10^3$

$2.6 \times 10^3$

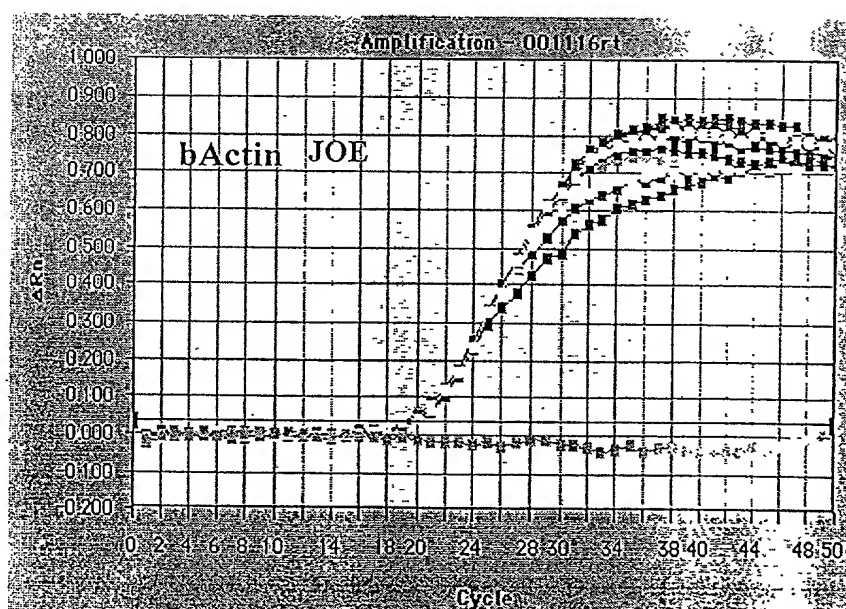
$7.7 \times 10^2$

$2.2 \times 10^2$

$6.5 \times 10$

2.0

FIG. 22B



b-actin

$10^6$  copies

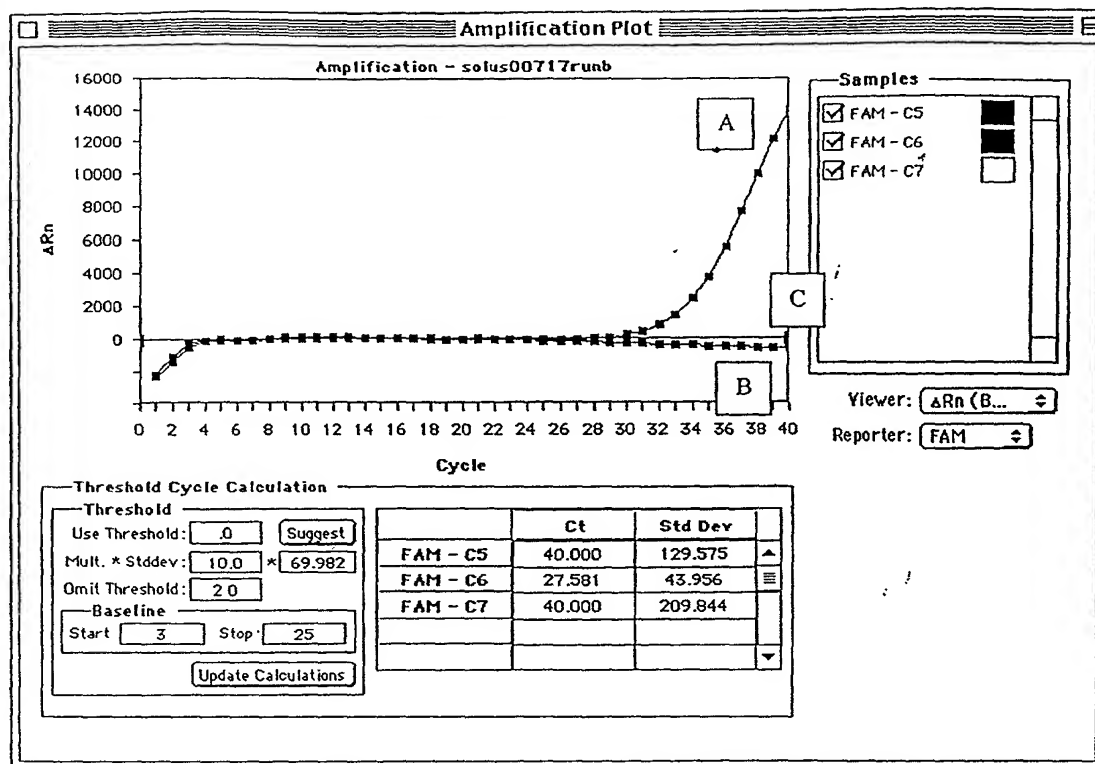


Figure 23

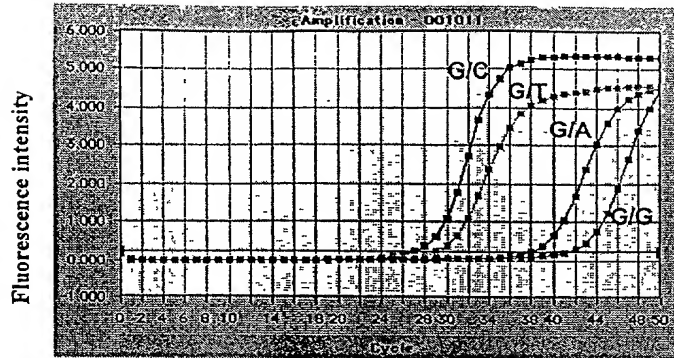


FIG. 24 A -

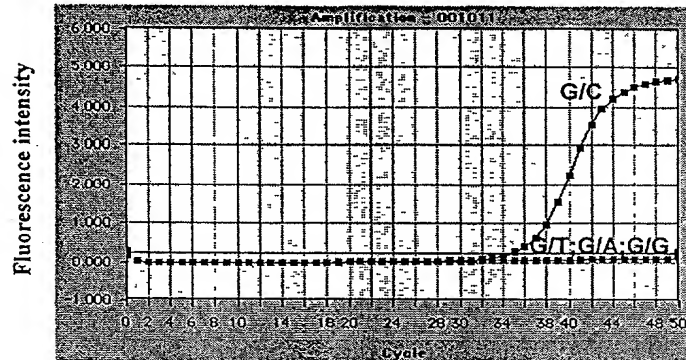


FIG. 24 B

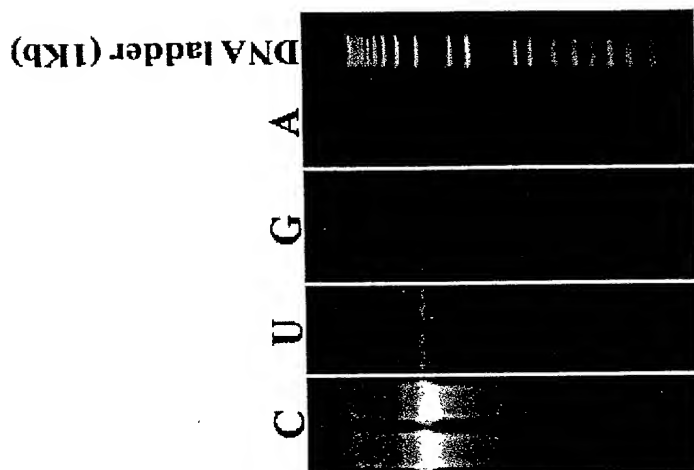


FIG. 25B

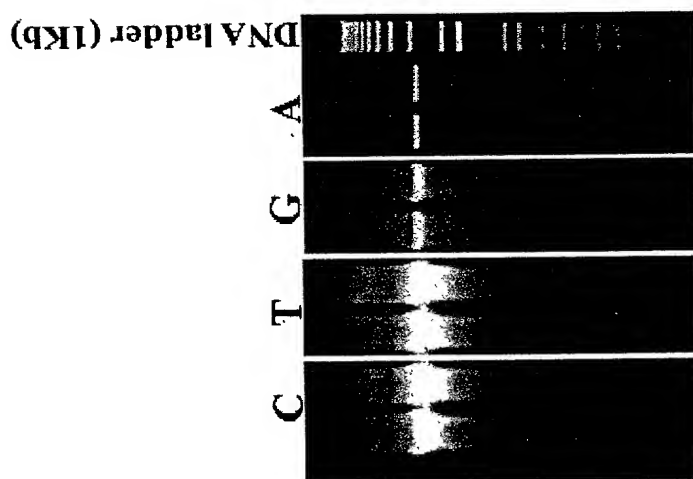


FIG. 25A

2.7 Kb

# CUGA

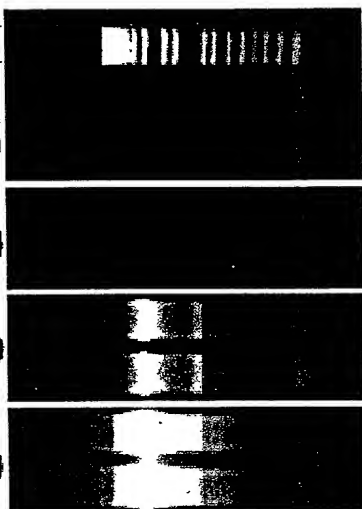
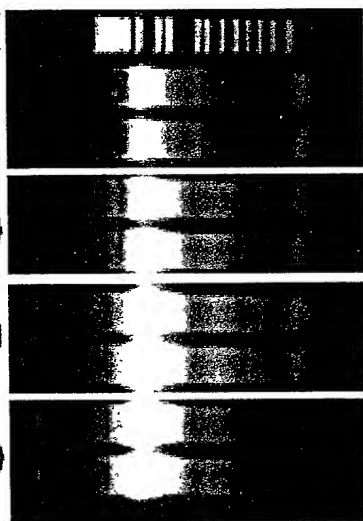


FIG. 26B

DNA ladder (1 Kb)

# CTGA



## 2.7 Kb—

FIG. 26A

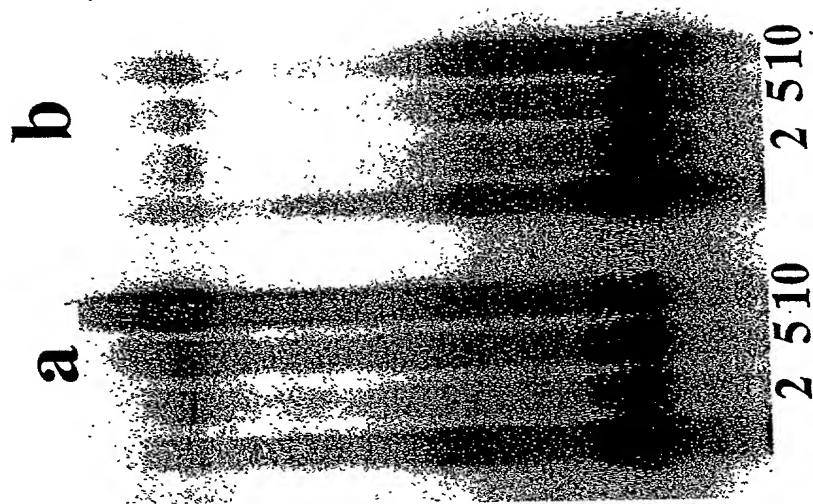


FIG. 27C

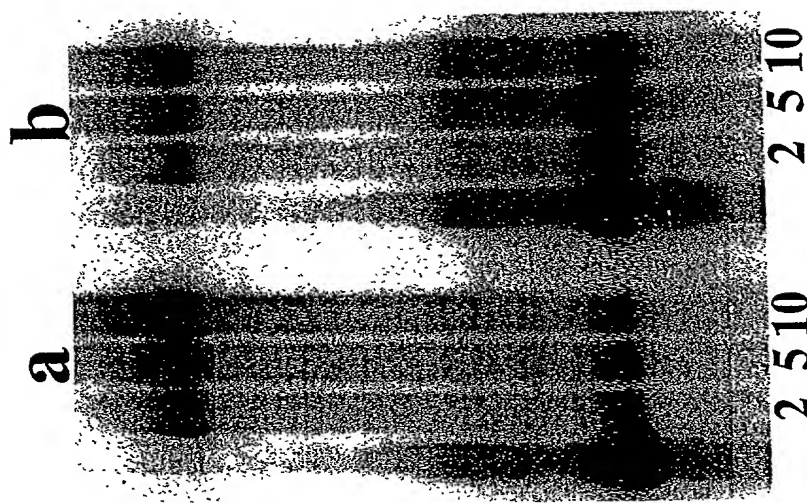


FIG. 27B

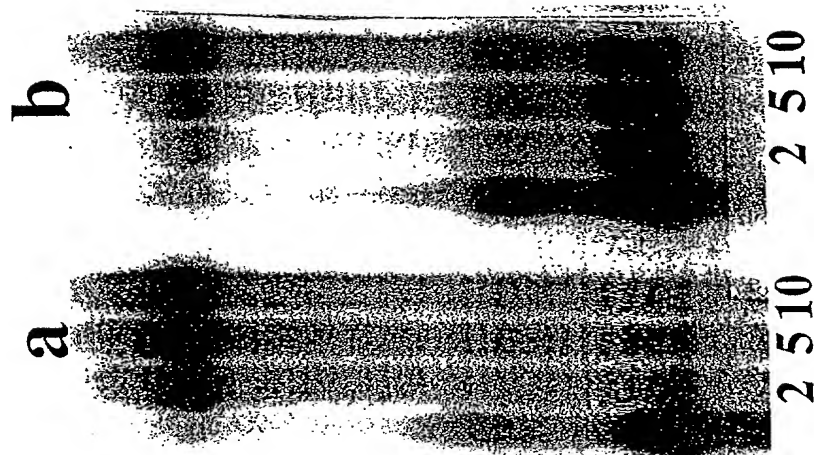


FIG. 27A

FL

P

T

Fig. 28

# I II

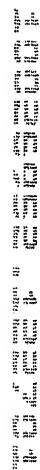
$$\frac{a}{b} \frac{c}{c} \frac{a}{b} \frac{c}{c}$$

P

T

1 10 1 10 1 10

1 10 1 10 1 10

III  
II  
I

a b a b a b

# FL

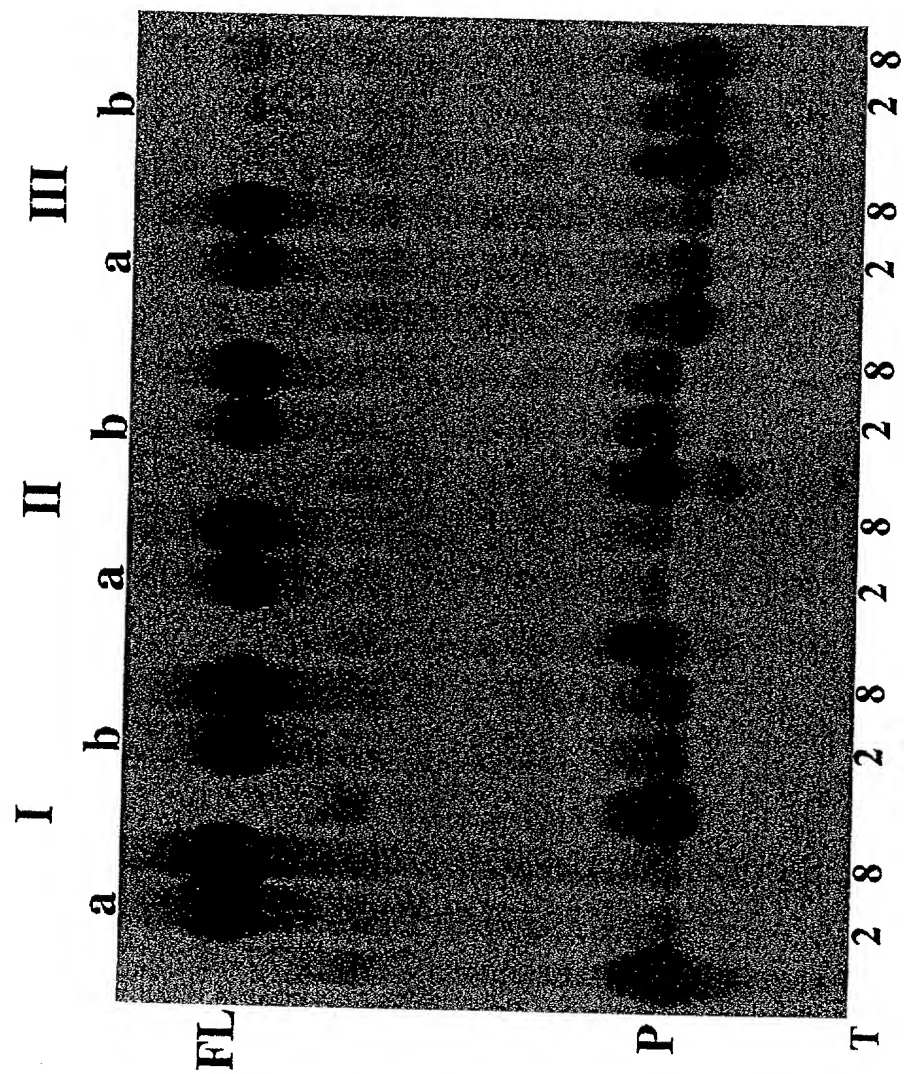


**F**

28 28 28 28 28 28 28



Fig 3D



I

II

III

Fig 31

a b a b a b a b

2 30 2 30 2 30 2 30 2 30 2 30

T

P

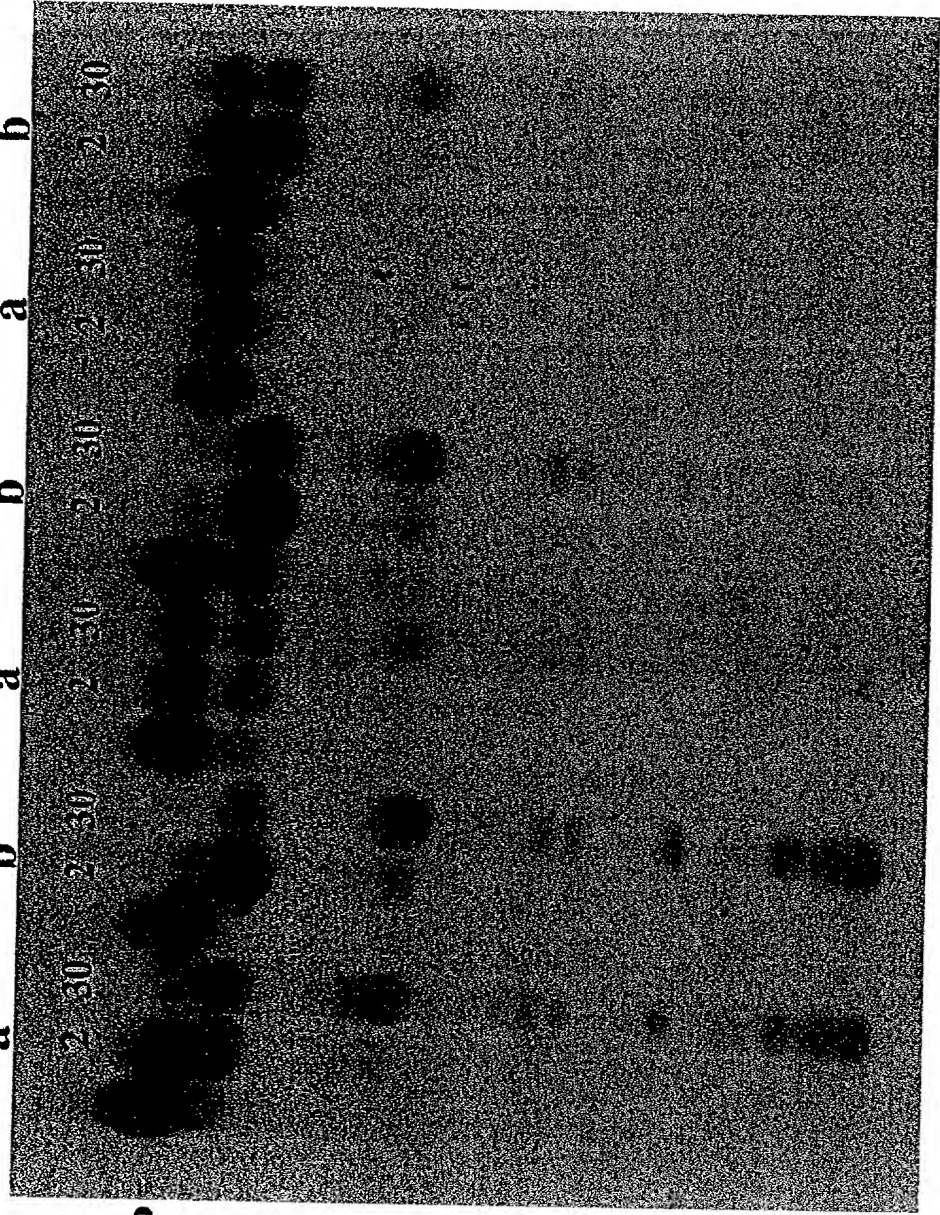


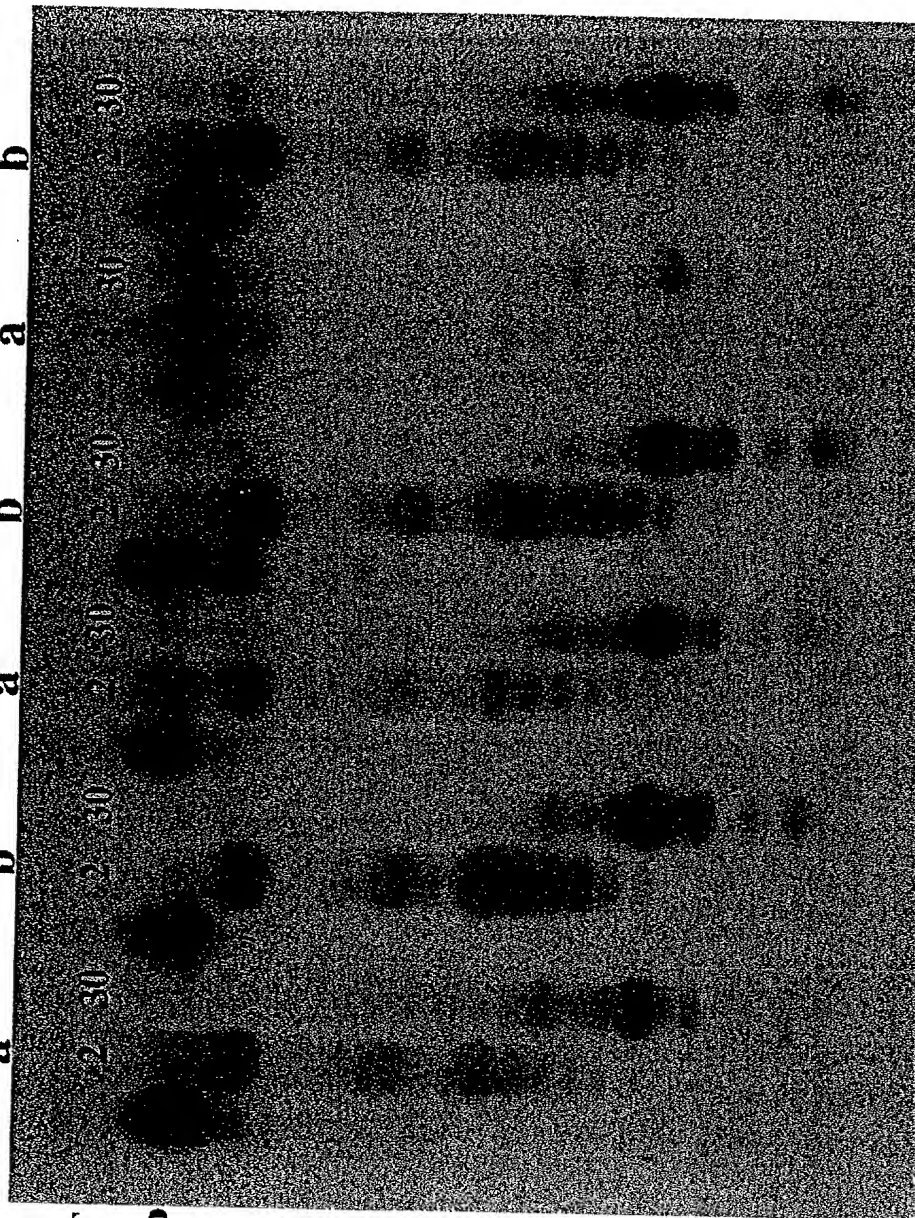
Figure 32 shows the results of the experiment in which the fluid was drawn from the bottom of the container.

I

II

III

a b a b a b



T  
P

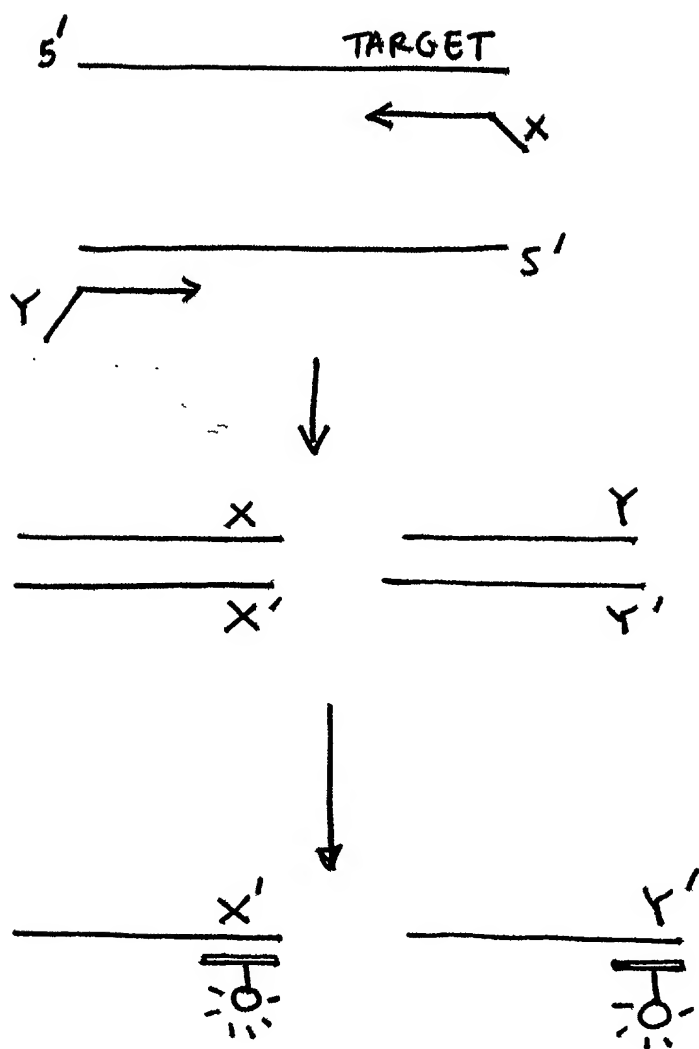
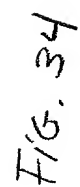


FIG. 33



5' GATGGCTCTTGTCTCGGTAG 3'  
 1 2

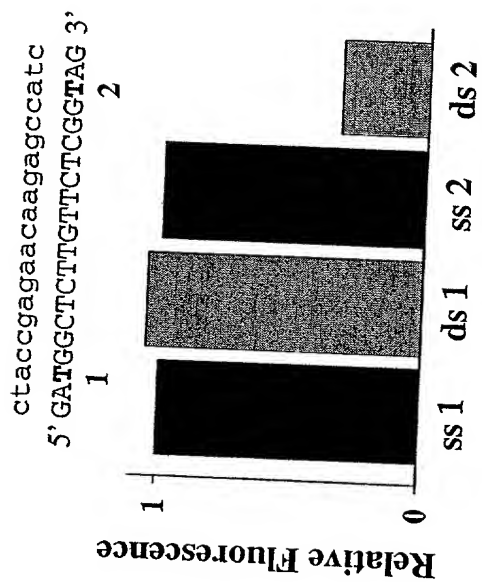


FIG. 35

1000 2000 4000 6000 8000 10000 12000 14000 16000

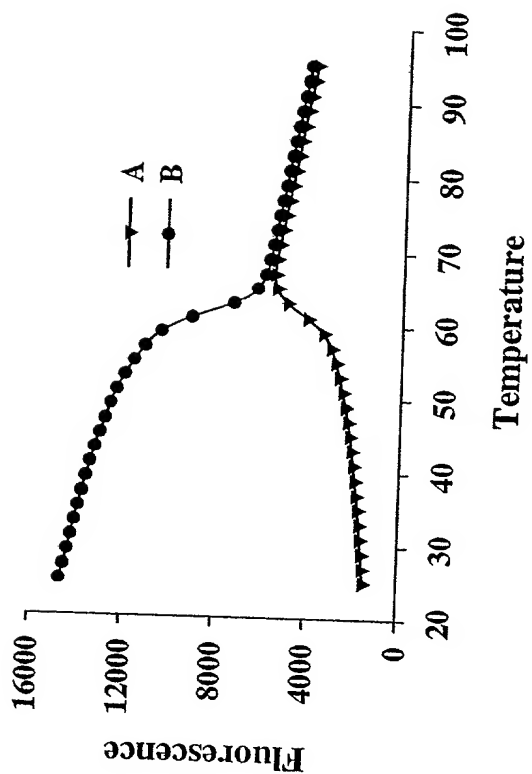


FIG. 36

5' ggaagagtaccaccgacatcttg  
 3' CCTTCTCATGGGTGGCTGTAGAAC 3'

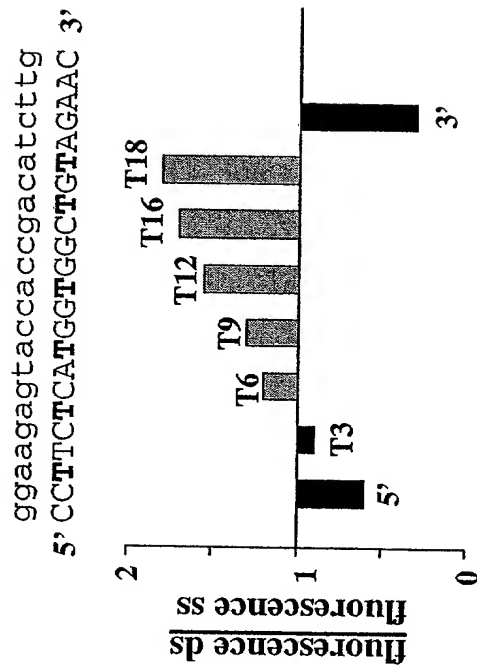


FIG. 37



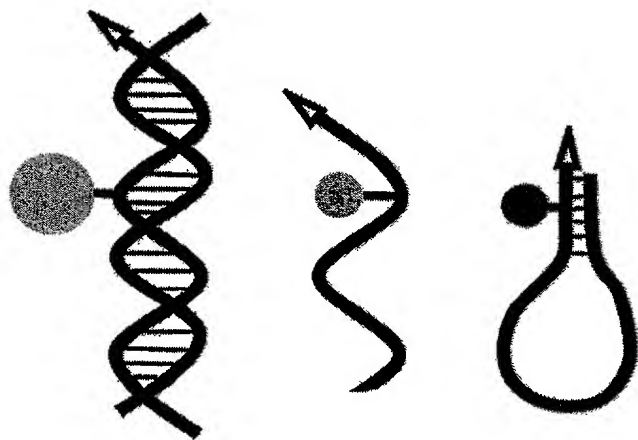
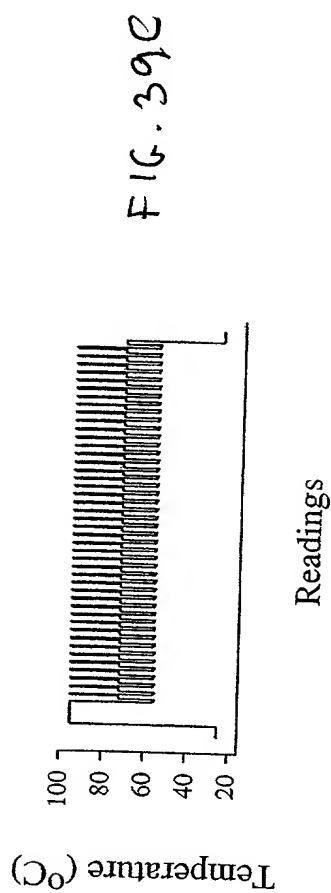
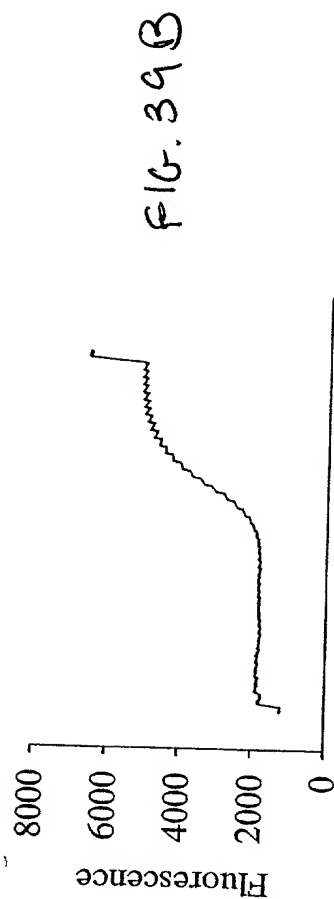
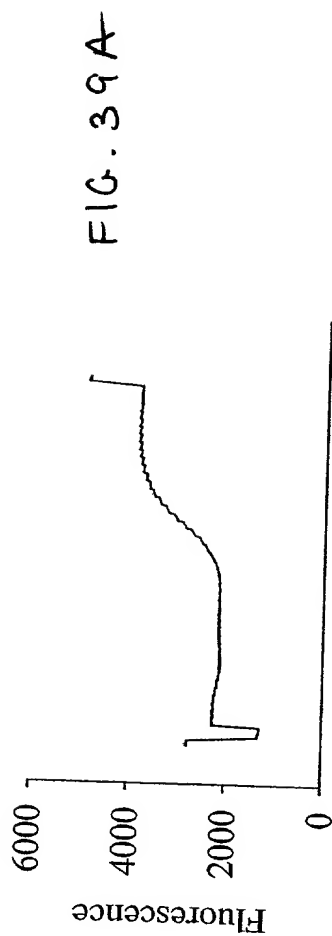


FIG. 38

[illegible]

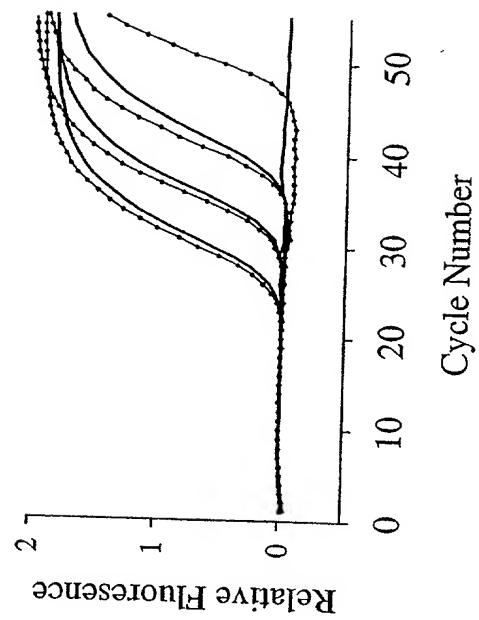


FIG. 40

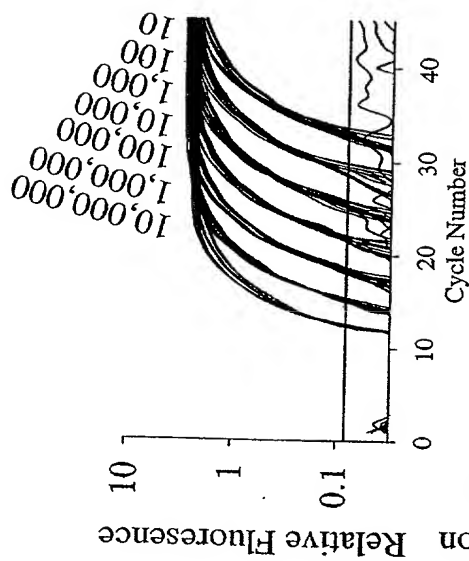


FIG. 41A

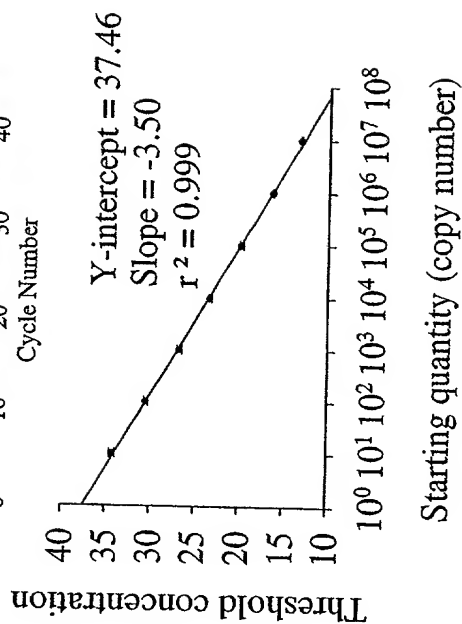


FIG. 41B

FIG 41

FIG. 42A

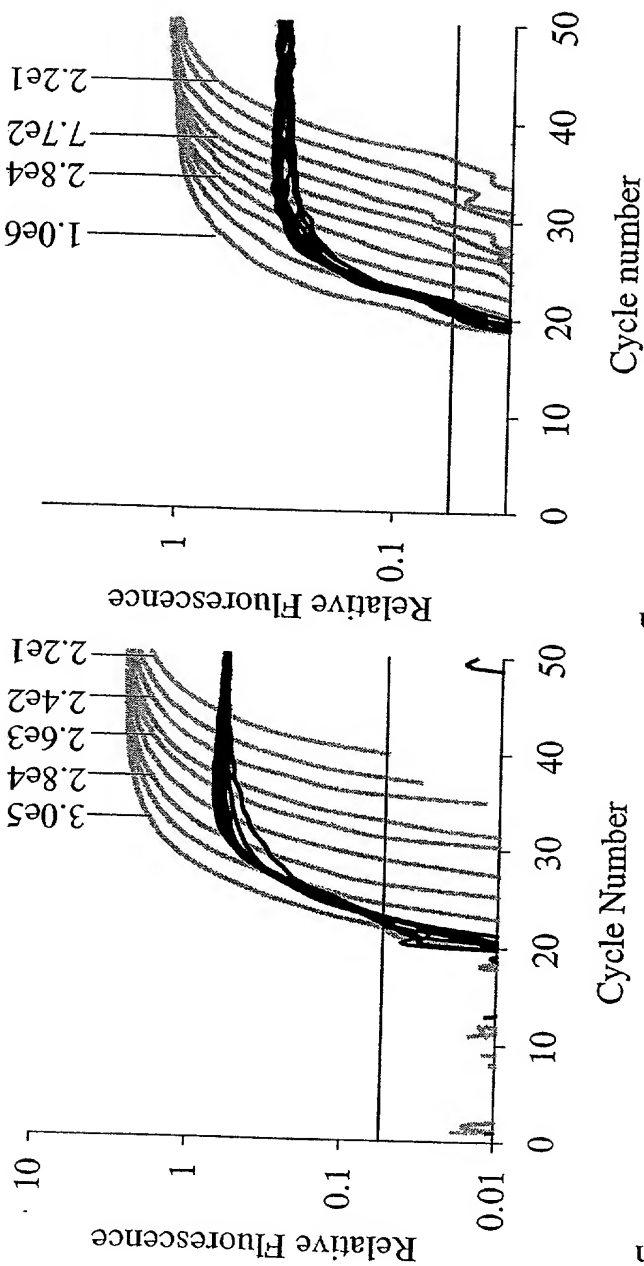
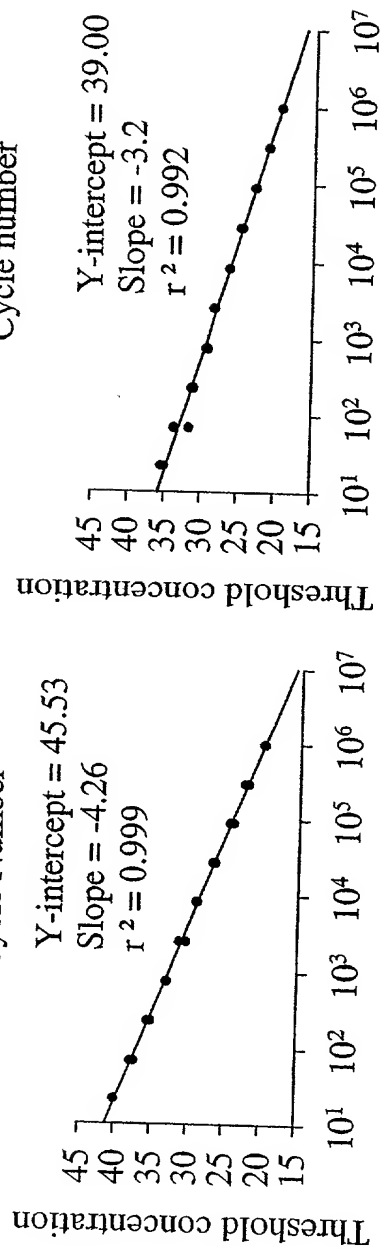


FIG. 42B



Starting quantity (copy number)

Starting concentration (copy number)

FIG. 42C

FIG. 42D

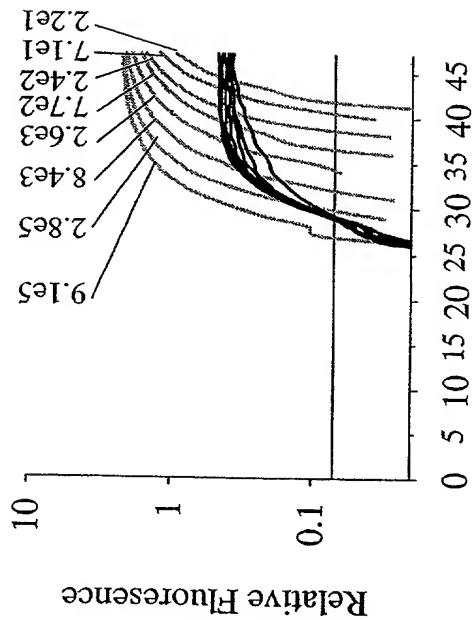


FIG. 43A

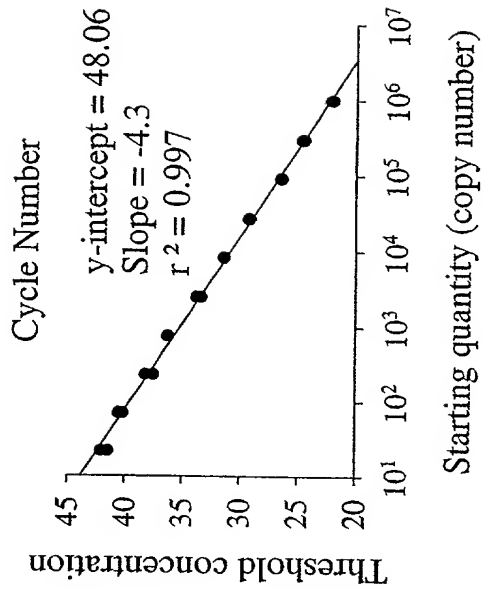


FIG. 43B

FIG. 44A

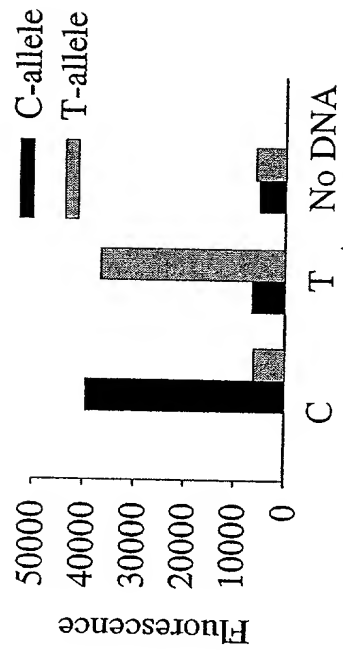


FIG. 44A

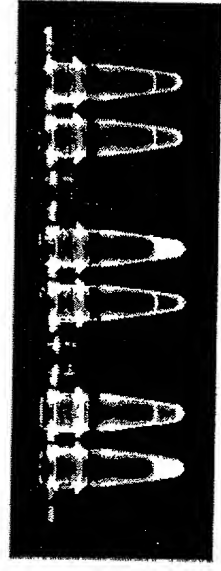


FIG. 44B

a b c d e f

FIG. 45

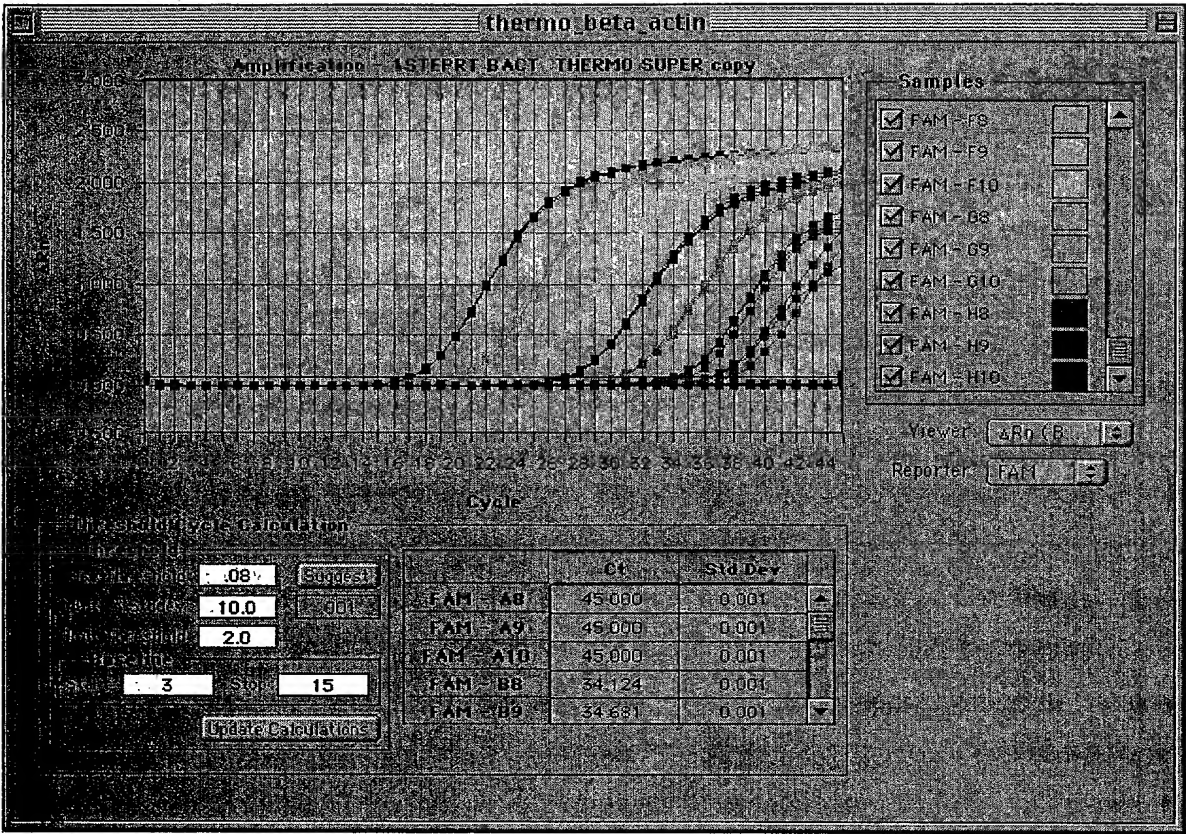


FIG. 46

